

## State Injury Indicators



### Firearm-Related Hospitalizations

Category:	Firearm-Related Indicators
Demographic Group:	All residents.
Numerator:	Hospitalizations with any of the following ICD-9-CM E-codes identified from the injury hospital discharge subset: E922.0–E922.3, E922.8, E922.9 (Accident caused by firearm missiles), E955.0–E955.4 (Suicide and self-inflicted injury by firearms), E965.0–E965.4 (Assault by firearms), E985.0–E985.4 (Injury by firearms, undetermined whether accidentally, or purposely inflicted), E970 (Injury due to legal intervention by firearm), E979.4 (Terrorism involving firearm)
Denominator:	Midyear population for the calendar year under surveillance.
Measures of Frequency:	Annual number of persons hospitalized. Annual incidence—crude and age-adjusted (standardized by the direct method to the year 2000 standard U.S. population).
Period for Case Definition:	Calendar year.
Background:	Nonfatal firearm-related injury rates are highest among persons ages 15 to 24 years. About one fifth of nonfatal firearm-related injuries treated in U.S. hospital emergency departments are unintentional.*
Limitations of Indicator:	Injuries that result in a hospital admission represent only a portion of the overall burden of injury. Evaluations of these injuries should be considered in the context of both less- and more-severe injuries.
Data Resources:	State hospital discharge data (numerator) and population estimates from the U.S. Census Bureau or suitable alternative (denominator).
Limitations of Data Resources:	The accuracy of indicators based on codes found in hospital discharge data is limited by the completeness and quality of coding. The overall completeness of e-coding is of particular concern and should be reviewed in conjunction with the indicator.
Healthy People 2010 Objectives:	15–5: Reduce nonfatal firearm-related injuries
CDC's Health Protection Goals:	Healthy People in Every Stage of Life: Achieve Healthy Independence Healthy People in Every Stage of Life: Live a Healthy, Productive, and Satisfying Life Healthy People in Healthy Places: Healthy Communities Healthy People in Healthy Places: Hea

\*Gotsch KE, Annest JL, Mercy JA, Ryan GW. Surveillance for fatal and nonfatal firearm-related injuries—United States, 1993–1998. In: CDC surveillance summaries; 2001 Apr 13. MMWR 2001;50 (No. SS-2).